

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|-------|------------------|---------|------------------|
| L1    | 0    | "106"/415,436.ccls. and (reduc\$2 near3 (titani\$3 or (titanium adj \$2oxide))) and (substrate\$1free or (no adj substrate)) | USPAT | ADJ              | OFF     | 2005/03/07 08:12 |
| L2    | 34   | "106"/415,436.ccls. and (reduc\$2 near3 (titania or (titanium adj \$2oxide)))  | USPAT | ADJ              | OFF     | 2005/03/07 11:42 |
| L3    | 1    | "5611851".pn.  | USPAT | ADJ              | OFF     | 2005/03/07 08:27 |
| L4    | 1    | "4168986".pn.  | USPAT | ADJ              | OFF     | 2005/03/07 09:23 |
| L5    | 21   | 2 and (ammonia or hydrogen)  | USPAT | ADJ              | OFF     | 2005/03/07 09:53 |
| L6    | 19   | 2 and (ammonia or hydrogen) and acid   | USPAT | ADJ              | OFF     | 2005/03/07 09:53 |
| L7    | 37   | "106"/415,417,436.ccls. and (reduc\$2 near3 (titania or (titanium adj \$2oxide)))  | USPAT | ADJ              | OFF     | 2005/03/07 11:42 |

| Ref # | Hits | Search Query   | DBs                | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--------------------|------------------|---------|------------------|
| L1    | 400  | 106"/\$.ccls. and titani\$3  | USPAT              | ADJ              | OFF     | 2005/03/07 05:39 |
| L2    | 71   | L1 and (reduced and gas)   | USPAT              | ADJ              | OFF     | 2005/03/07 05:34 |
| L3    | 10   | L2 and opaque  | USPAT              | ADJ              | OFF     | 2005/03/07 05:34 |
| L4    | 7286 | "106"/\$.ccls. and (titan\$3 or (titanium adj dioxide))  | USPAT              | ADJ              | OFF     | 2005/03/07 05:49 |
| L5    | 14   | 4 and (no adj substrate or substrate adj free)   | US-PGPUB;<br>USPAT | ADJ              | OFF     | 2005/03/07 06:00 |
| L6    | 6    | 5 and (reduced and gas)  | US-PGPUB;<br>USPAT | ADJ              | OFF     | 2005/03/07 05:45 |
| L7    | 2    | 6 and opaque   | US-PGPUB;<br>USPAT | ADJ              | OFF     | 2005/03/07 05:44 |
| L8    | 14   | 4 and (no adj substrate or substrate\$1free)   | US-PGPUB;<br>USPAT | ADJ              | OFF     | 2005/03/07 06:39 |
| L9    | 349  | "106"/\$.ccls. and (reduc\$2 near20 (titan\$3 or (titanium adj dioxide)))  | USPAT              | ADJ              | OFF     | 2005/03/07 05:50 |
| L10   | 290  | "106"/\$.ccls. and (reduc\$2 near10 (titan\$3 or (titanium adj dioxide)))  | USPAT              | ADJ              | OFF     | 2005/03/07 05:50 |
| L11   | 234  | "106"/\$.ccls. and (reduc\$2 near6 (titan\$3 or (titanium adj dioxide)))   | USPAT              | ADJ              | OFF     | 2005/03/07 05:52 |
| L12   | 155  | "106"/\$.ccls. and (reduc\$2 near3 (titan\$3 or (titanium adj dioxide)))   | USPAT              | ADJ              | OFF     | 2005/03/07 05:54 |
| L13   | 69   | "106"/\$.ccls. and (reduc\$2 adj2 (titan\$3 or (titanium adj dioxide)))  | USPAT              | ADJ              | OFF     | 2005/03/07 05:54 |
| L14   | 0    | "106"/\$.ccls. and (reduc\$2 adj2 (titan\$3 or (titanium adj dioxide))) and (substrate\$1free or (no adj substrate))   | USPAT              | ADJ              | OFF     | 2005/03/07 05:55 |
| L15   | 0    | "106"/\$.ccls. and (reduc\$2 near3 (titan\$3 or (titanium adj dioxide))) and (substrate\$1free or (no adj substrate))  | USPAT              | ADJ              | OFF     | 2005/03/07 05:55 |
| L16   | 0    | "106"/\$.ccls. and (reduc\$2 near6 (titan\$3 or (titanium adj dioxide))) and (substrate\$1free or (no adj substrate))  | USPAT              | ADJ              | OFF     | 2005/03/07 05:56 |
| L17   | 1    | "106"/\$.ccls. and (reduc\$2 near20 (titan\$3 or (titanium adj dioxide))) and (substrate\$1free or (no adj substrate)) | USPAT              | ADJ              | OFF     | 2005/03/07 05:56 |
| L18   | 3    | "428"/\$.ccls. and (reduc\$2 near20 (titan\$3 or (titanium adj dioxide))) and (substrate\$1free or (no adj substrate)) | USPAT              | ADJ              | OFF     | 2005/03/07 05:58 |

|     |     |   |                      |     |     |                  |
|-----|-----|---|----------------------|-----|-----|------------------|
| L19 | 0   | "428"/\$.ccls. and (reduc\$2 adj (titan\$3 or (titanium adj dioxide))) and (substrate\$1free or (no adj substrate)) | USPAT                | ADJ | OFF | 2005/03/07 05:58 |
| L20 | 31  | 4 and (no adj substrate or substrate adj free)  | US-PGPUB;<br>USPAT   | ADJ | OFF | 2005/03/07 06:01 |
| L21 | 17  | 4 and (no adj substrate or substrate\$1free)  | US-PGPUB;<br>USPAT   | ADJ | OFF | 2005/03/07 06:02 |
| L24 | 187 | pigment and ((titanium adj dioxide) or "tio2" titan\$3) and reduced   | EPO; JPO;<br>DERWENT | ADJ | OFF | 2005/03/07 06:39 |
| L25 | 0   | 24 and (no adj substrate or substrate\$1free)   | EPO; JPO;<br>DERWENT | ADJ | OFF | 2005/03/07 06:40 |

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|-------|------|--|-----------------|------------------|---------|------------------|
| S2    | 16   | ("3087827") or ("3087828") or ("3087829") or ("3418146") or ("3437515") or ("4038099") or ("4192691") or ("5286291") or ("5356471") or ("5401306") or ("5611851") or ("5662738") or ("6139614") or ("6361593") or ("6626989") or ("6290766").PN. | USPAT           | OR               | OFF     | 2005/02/27 15:28 |
| S3    | 0    | S2 and (no adj substrate or substrate adj free) and (reduced adj (titanium adj oxide)) and (rutile and anatase)  | US-PGPUB; USPAT | ADJ              | OFF     | 2005/02/27 15:27 |
| S4    | 0    | S2 and (no adj substrate or substrate adj free)  | US-PGPUB; USPAT | ADJ              | OFF     | 2005/03/07 05:43 |
| S5    | 0    | S2 and (no adj substrate or substrate\$5)  | US-PGPUB; USPAT | ADJ              | OFF     | 2005/02/27 15:27 |
| S6    | 4    | S2 and ((titanium adj dioxide) or "tio?sub.2") and reduced   | US-PGPUB; USPAT | ADJ              | OFF     | 2005/03/07 06:39 |
| S7    | 0    | S2 and (substrate-free) and reduced  | US-PGPUB; USPAT | ADJ              | OFF     | 2005/02/27 15:31 |
| S8    | 4    | "106"/\$?? .ccls. and (substrate-free) and titanium adj dioxide  | USPAT           | ADJ              | OFF     | 2005/02/27 15:49 |
| S9    | 1    | "4146403".PN.  | USPAT; USOCR    | ADJ              | OFF     | 2005/02/27 15:36 |
| S10   | 4    | "106"/\$?? .ccls. and (substrate-free or core-free or platelet-free) and titanium adj dioxide  | USPAT           | ADJ              | OFF     | 2005/02/27 15:50 |
| S11   | 0    | S10 not S8   | USPAT           | ADJ              | OFF     | 2005/02/27 15:50 |
| S12   | 400  | 106/436 .ccls. and titani\$3   | USPAT           | ADJ              | OFF     | 2005/02/27 15:51 |
| S13   | 71   | S12 and (reduced and gas)  | USPAT           | ADJ              | OFF     | 2005/02/27 15:52 |
| S14   | 10   | S13 and opaque   | USPAT           | ADJ              | OFF     | 2005/02/27 15:52 |
| S15   | 6    | S14 and acid   | USPAT           | ADJ              | OFF     | 2005/02/27 15:53 |